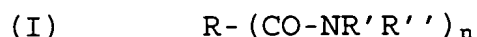


## CLAIMS

Sub A1  
1. Medium for the culturing and specific identification of yeasts, comprising a chromogenic or fluorogenic substrate which can be hydrolyzed by an enzyme of the hexosaminidase family, characterized in that the medium also comprises at least one compound which selectively inhibits the hexosaminidase activity of *C. tropicalis*.

Sub D2  
10 2. Medium according to Claim 1, characterized in that the selective inhibitor compound is an amide of formula (I):

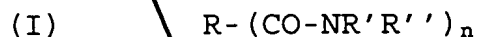


in which, firstly, either R, R' and R'', independently of each other, consist of:

- 15 - a hydrogen atom,  
- a saturated or unsaturated, aliphatic or cyclic hydrocarbon-based chain optionally comprising at least one hetero atom,  
or each of the radicals R and/or R' and/or R'' together form a cyclic, saturated or unsaturated hydrocarbon-based chain optionally comprising at least one hetero atom,

and, secondly, n is an integer greater than or equal to 1.

25 3. Medium according to Claim 1, characterized in that the selective inhibitor compound is an amide of formula (I):



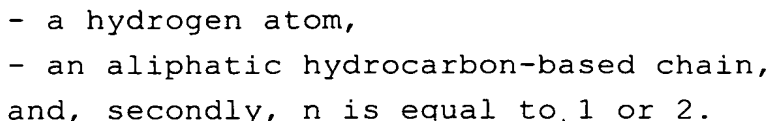
30 in which, firstly, either R, R' and R'', independently of each other, consist of:

- a hydrogen atom,  
- a saturated or unsaturated, aliphatic or cyclic hydrocarbon-based chain optionally interrupted by at least one hetero atom,  
35 or each of the radicals R and/or R' and/or R'' together form a cyclic, saturated or unsaturated hydrocarbon-based chain optionally interrupted by at least one hetero atom,

00496037 00496000

diy, n

claim 1



Claim!

Claim 1

8. Medium according <sup>(claim)</sup> to the preceding claims, characterized in that it comprises a mixture of selective inhibitor compounds.

9. Medium according to Claim 8, characterized in that the mixture of selective inhibitor compounds consists of acetamide and formamide.

10. Medium according to <sup>claim</sup> ~~Claims 1 and 9~~, characterized in that the medium is gelled and comprises, per liter:

- Sub  
Δ3
- INS  
B2
- 30

Chim 9  
A Cl

Claim 10

add a ~~2~~  
10  
C-45  
B3

Claim 13  
A

INS  
B4

Claim 3

### Claim 1

19. Microbiological analysis process for  
35 selectively identifying the *C. albicans* and/or  
*C. tropicalis* yeast and/or for differentiating  
*C. albicans* and *C. tropicalis* yeasts, characterized in  
that the sample to be analyzed is placed directly in

contact with at least one identification medium according to any one of ~~Claims 1 to 12.~~ <sup>Claim 1</sup>

20. Microbiological analysis process for detecting and selectively identifying certain species of *Candida* yeasts, which is characterized in that the sample is placed in direct contact with a medium according to either ~~of Claims 13 and 18,~~ <sup>Claim 13</sup> time is allowed for colorations to appear in the medium, and identification is made, on the basis of the differences in coloration, of the *C. albicans* species from, on the one hand, the *C. guilliermondii*, *C. kefir*, *C. lusitaniae* and/or *C. tropicalis* species, and, on the other hand, from the other *Candida* species, and of the *C. guilliermondii*, *C. kefir*, *C. lusitaniae* and/or *C. tropicalis* species from the other *Candida* species.

21. Process according to Claim 20, characterized in that a waiting period of between 36 and 60 hours and advantageously essentially 48 hours is allowed when the medium contains no activator or inhibitor according to either of Claims 15 and 16.

22. Process according to Claim 20, characterized in that a waiting period of between 18 and 30 hours and advantageously essentially 24 hours is allowed when the medium contains an activator or an inhibitor according to either of Claims 15 and 16.

23. Process according to any one of Claims 20 to 22, <sup>Claim 20</sup> characterized in that *C. albicans*, *C. guilliermondii*, *C. kefir*, *C. lusitaniae* and/or *C. tropicalis* are identified from other *Candida* species, when the medium contains:

- a hexosaminidase substrate, and/or
- a glucosidase substrate, and/or
- a hexosaminidase activator, and/or
- a hexosaminidase inhibitor.

24. Process according to any one of Claims 20 to 23, <sup>Claim 20</sup> characterized in that *C. albicans* is identified from *C. guilliermondii*, *C. kefir*, *C. lusitaniae*, *C. tropicalis* and/or other *Candida* species, when the medium contains:

002120 22098400

Sub  
D<sub>1</sub> 7

215  
85

